BRUHAT BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

Name of work:Improvements of Asphalting in Mallasandra Ward No 13 Shettyhalli Sub Division

NUMBER.:							SI-2	Est. Amount =	50.00	Lakhs
	Unit	No	Dimension L	Dimension B	Dimension D	Quantity			Rate In Rs.	Amount In Rs.
KSRRB 300-49. Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by manual means without disturbing the base and stacking of the debris materials including cost of all labour charges complete as per specifications. MORTH / Chapter 3										
BHEL Mini Colony Main Road	Sqm	1	300.00	6.40		1920.00				
Ayyappa layout cross road		1	150.00	1.00		150.00				
cross road										
cutting portion		1	80.00	1.00		80.00				
					Total Qty	2150.00			60.40	129860.00
KSRRB M300-14. Excavation for roadwork in ail types of soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers,trimming bottom and side slopes, in accordance with requirements of lines,grades and cross sections, and transporting to the embankment locationto a lead of 1.00 km and complete as per specifications. MORTH Specification No.301 (Page No-143 Item no - 19.14 of KPWD SR 2016-17)..										
16B Cross(widening portion)	Cum	1	100.00	1.00	0.30	30.00				
16C Cross		1	100.00	1.00	0.30	30.00				
16th D Cross		1	100.00	1.00	0.30	30.00				
Ayyappa layout cross road		1	150.00	1.00	0.30	45.00				
BHEL Mini Colony Main Road		1	300.00	6.40	0.30	576.00				
cross road										
Right Side Widening		1	80.00	3.00	0.30	72.00				
Left Side Widening		1	80.00	4.00	0.30	96.00				
cutting portion		1	80.00	1.00	0.30	24.00				
					Total Qty	903.00			132.76	119882.28
KSRRB 300-Compaction KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3										
16B Cross	Sqm	1	100.00	1.00		100.00				
16C Cross		1	100.00	1.00		100.00				
16th D Cross		1	100.00	1.00		100.00				
Ayyappa layout cross road		1	150.00	1.00		150.00				
BHEL Mini Colony Main Road		1	300.00	6.40		1920.00				
cross road										
Right Side Widening		1	80.00	3.00		240.00				
Left Side Widening		1	80.00	4.00		320.00				
cutting portion		1	80.00	1.00		80.00				
					Total Qty	3010.00			5.30	15953.00
KSRRB 300-67. Extra for rolling lo specification with power roller when earth is at suitable moisture content with desired field density not less than 95% of maximum dry density (ordinary proctor test) including HOM ofmachineries complete as per specifications. MORTH / Chapter 3 (Page No-150 Item no - 19.75 of KPWD SR 2016-17).										
16th D Cross		1	100.00	1.00	0.30	30.00				
BHEL Mini Colony Main Road		1	300.00	6.40	0.30	576.00				
16B Cross		1	100.00	1.00	0.30	30.00				

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Sl. No		Unit	No	Dimension L	B	D	Quantity	Rate in Rs.	Amount in Rs.
	C Cross	Cum	1	100.00	1.00	0.30	30.00		
	Ayyappa layout cross road		1	150.00	1.00	0.30	45.00		
	cross road								
	Right Side Widening		1	80.00	3.00	0.30	72.00		
	Left Side Widening		1	80.00	4.00	0.30	96.00		
	cutting portion		1	80.00	1.10	0.30	26.40		
						Total Qty	905.40	8.48	7677.79
4	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap I basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve thedesired density complete as per specifications. MORTH Specification No. 406 (Page No-158 Item no - 20.18 of KPWD SR 2016-17).								
	16B Cross	Cum	1	100.00	1.00	0.25	25.00		
	16C Cross		1	100.00	1.00	0.25	25.00		
	16th D Cross		1	100.00	1.00	0.25	25.00		
	BHEL Mini Colony Main Road		1	300.00	6.40	0.25	480.00		
	Ayyappa layout cross road		1	150.00	1.00	0.25	37.50		
	cross road								
	Right Side Widening		1	80.00	3.00	0.25	60.00		
	Left Side Widening		1	80.00	4.00	0.25	80.00		
	cutting portion		1	80.00	1.00	0.25	20.00		
						Total Qty	752.50	1768.08	1330480.20
5	KSRRB M500-6. Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg I sqm using mechanical means complete as per specifications.MORTH Specification No. 502 (Page No-161 Item no - 21.6 of KPWD SR 2016-17).								
	BHEL Mini Colony Main Road	Sqm	1	300.00	6.40		1920.00		
	16B Cross		1	100.00	1.00		100.00		
	16C Cross		1	100.00	1.00		100.00		
	16th D Cross		1	100.00	1.00		100.00		
	Ayyappa layout cross road		1	150.00	1.00		150.00		
	cross road								
	Right Side Widening		1	80.00	3.00		240.00		
	Left Side Widening		1	80.00	4.00		320.00		
	cutting portion		1	80.00	1.00		80.00		
						Total Qty	3010.00	27.56	82955.60
6	KSRRB 500-11. Providing and laying bituminous macadam on prepared surface with crushed coarse aggregates as per design mixformula for base / binding course including loading of aggregates withF.E. loader, hot mixing of stone aggregates and bitumen in hot mixplant, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, but excluding cost of primer/ tack coat including lead, lift and cost of all materials, labour, HOM of machineries complete as per specifications.(Page No-162 Item no - 21.11.6 of KPWD SR 2016-17).								
	BHEL Mini Colony Main Road	Cum	1	300.00	6.40	0.05	96.00		
	16B Cross		1	100.00	1.00	0.05	5.00		
	16C Cross		1	100.00	1.00	0.05	5.00		
	16th D Cross		1	100.00	1.00	0.05	5.00		
	Ayyappa layout cross road		1	150.00	5.50	0.05	41.25		
	cross road								
	Right Side Widening		1	80.00	3.00	0.05	12.00		
	Left Side Widening		1	80.00	4.00	0.05	16.00		
	cutting portion		1	80.00	1.00	0.05	4.00		
						Total Qty	184.25	5237.46	965002.01

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Sl. No		Unit	No	Dimension L	B	D	Quantity	Rate in Rs.	Amount in Rs.
7	KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH specification clause 501 (Page No-161 Item no - 21.2 of KPWD SR 2016-17).								
	BHEL Mini Colony Main Road	Sqm	1	300.00	6.40		1920.00		
	16B Cross		1	100.00	5.50		550.00		
	16C Cross		1	100.00	5.50		550.00		
	Ayyappa layout cross road		1	150.00	5.50		825.00		
	16th D Cross		1	100.00	5.50		550.00		
	cross road		1	80.00	14.00		1120.00		
						Total Qty	5515.00	3.18	17537.70
8	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VGIO) on the prepared black topped surfaces at 2.5 kg per 10sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH (Page No-161 Item no - 21.7 of KPWD SR 2016-17).								
	BHEL Mini Colony Main Road	Sqm	1	300.00	6.40		1920.00		
	16B Cross		1	100.00	5.50		550.00		
	16C Cross		1	100.00	5.50		550.00		
	Ayyappa layout cross road		1	150.00	5.50		825.00		
	16th D Cross		1	100.00	5.50		550.00		
	cross road		1	80.00	14.00		1120.00		
		Total Qty					5515.00	11.66	64304.90
9	KSRRB M500-19. Providing and laying bituminous concrete with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site,laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achievethe desired compaction as per MORTH specification clause No. 500.9complete in all respects complete as per specifications.MOFtTH Specification No. 509 (Page No-165 Item no - 21.22.6 of KPWD SR 2016-17).								
	BHEL Mini Colony Main Road		1	300.00	6.40	0.04	76.80		
	16B Cross	Cum	1	100.00	5.50	0.04	22.00		
	Ayyappa layout cross road		1	150.00	5.50	0.04	33.00		
	16C Cross		1	100.00	5.50	0.04	22.00		
	16th D Cross		1	100.00	5.50	0.04	22.00		
	cross road		1	80.00	14.00	0.04	44.80		
						Total Qty	220.60	7270.54	1603881.12
10	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface - Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sq.m. area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC :35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. (Page No,-185, I.No.-24.15 of KPWD S.R 2016-17).								
	BHEL Mini Colony Main Road	Sqm	3	300.00	0.15		135.00		
	Ayyappa layout cross road		2	150.00	0.15		45.00		
	16B Cross		2	100.00	0.15		30.00		
	16C Cross		2	100.00	0.15		30.00		
	16th D Cross		2	100.00	0.15		30.00		
	cross road		3	80.00	0.15		36.00		
						Total Qty	306.00	542.72	166072.32
								Total Construtuion cost	45,03,606.92
								KRDL Charges 11%	4,95,396.76

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Sl. No		Unit	No	Dimension L	B	D	Quantity	Rate In Rs.	Amount In Rs.
								Sub Total	49,99,003.68
								Miscellaneous & Rounding Off	996.32
								Grand Total	50,00,000.00

Certificate:-

1. The workspot was inspected and work is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike Limits.
3. The rates adopted based on the PWD SR Bangalore Circle for year 2016-17
4. The provisions made in the estimate are necessary and essential.

Assistant Engineer
Ward No.13
BBMP - Bangalore

Assistant Executive Engineer
Shettyhalli Sub - Division
BBMP - Bangalore

Executive Engineer
Dasarahalli
BBMP - Bangalore

ಸಂ. EE/DD/AS/02/18-19 ದಿನಾಂಕ: 03/07/18

ರೂ. Fifty Lakhs only
50.00 Lakhs

ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ನಲಯ, ಬೆಂಗಳೂರು.

ಸಂ. CE/75/02/17-18 ದಿನಾಂಕ : 05/07/2018

ರೂ. Rs. 50.00 lakhs only/-

ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.

ತಾಂತ್ರಿಕ ಸಹಾಯಕರು

ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ನಲಯ, ಬೆಂಗಳೂರು.

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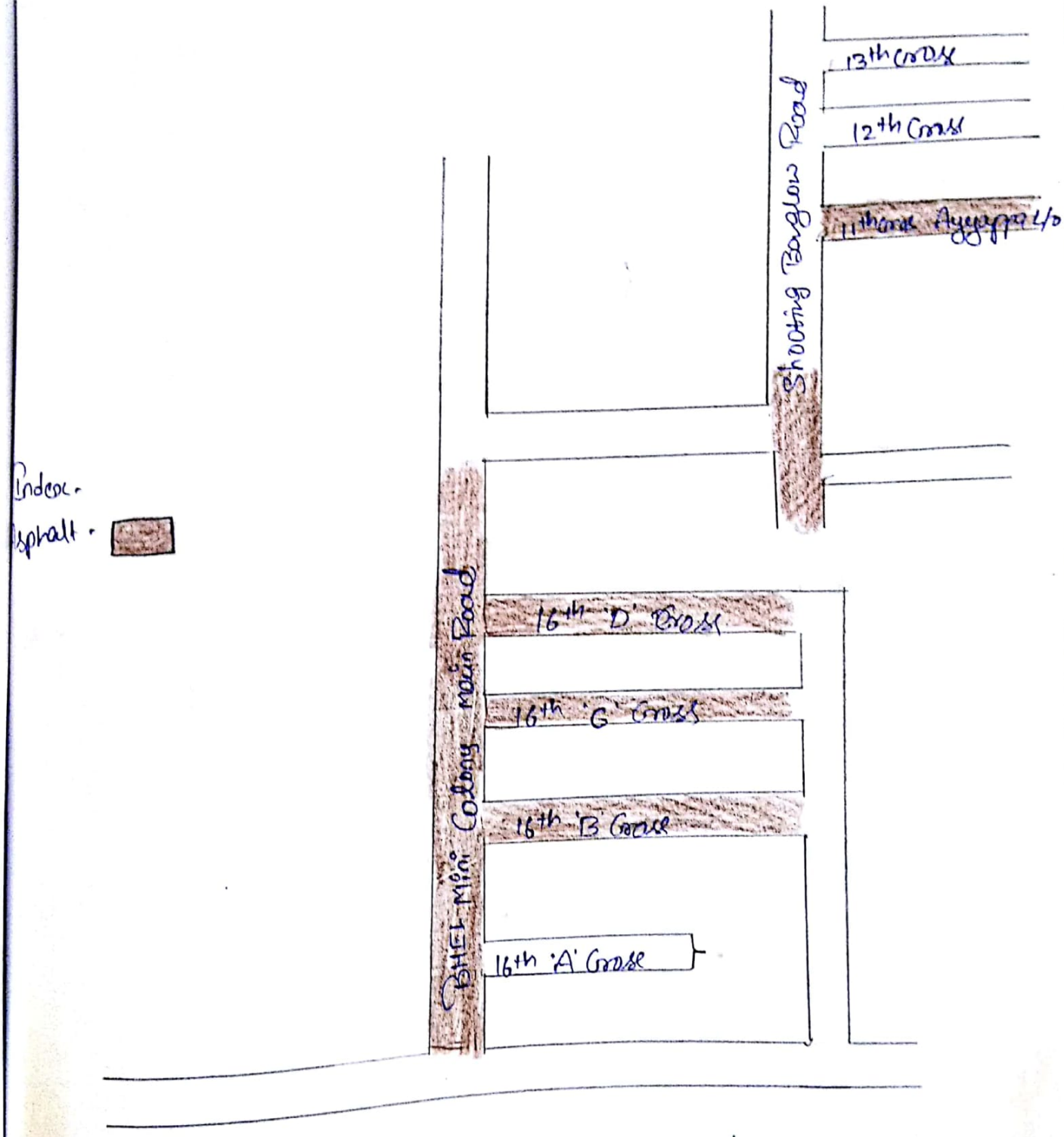
Name of Work : Improvements Of Asphalting in Mallasandra Ward no 13 Shettyhalli Sub Division



ASST ENGINEER
Ward No.13

ASST EXECUTIVE ENGINEER
Shettyhalli Sub-Division

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